



PF-014-003205 Seat No. _____

M. P. M. (Sem. II) Examination

July - 2018

BP - 203 : Pharmaceutical Analysis - II

Faculty Code : 014

Subject Code : 003205

Time : 3 Hours]

[Total Marks : 80

Instructions :

- (1) Figures to the right indicate marks.
- (2) Answer any three questions from each section question no. one and question five are compulsory.
- (3) Draw neat and clean diagram when required.

SECTION - I

1	Answer the following questions : (Any Seven)	14
(a)	Define half wave potential.	
(b)	Define R_f .	
(c)	Explain: signal to noise ratio.	
(d)	Define Accuracy and Precision.	
(e)	What is HETP ?	
(f)	Give Ilkovik equation.	
(g)	Explain maxima suppressor with examples.	
(h)	Classify electroanalytical method with examples.	
(i)	Define standard reduction potential.	
(j)	Explain Kohlrausch law.	
2	Answer the following questions :	
(A)	Write a brief note on Stripping voltammetry.	7
(B)	What are the advantages and disadvantages of instrumental analytical method ?	6

3 Answer the following questions : **7**
(A) Explain : Factors affecting conductance. **7**
(B) Describe: Dip type and Jar type conductivity cell. **6**

4 Answer the following questions : **7**
(A) Discuss: Glass electrode. **7**
(B) Explain methods for detecting end point in
potentiometric titration. **6**

SECTION - II

5 Answer any two out of three : **14**
(A) Types of amperometric titration
(B) Explain: Differential Scanning Calorimetry.
(C) Discuss: Rate theory of chromatogarply.

6 Answer the following questions : **7**
(A) Short note on Polarimeter **7**
(B) Write a short note on Paper chromatography with
application. **6**

7 Answer the following questions : **7**
(A) Explain: Principle of polarography with
polarographic wave. **7**
(B) Write a note on DME. **6**

8 Answer the following questions : **7**
(A) Write a note on Oxygen combustion flask method. **7**
(B) Discuss : Simple extraction technique. **6**
